

Title (en)
ELECTROTRANSPORT DRUG DELIVERY DEVICE HAVING TACTILE STIMULUS GENERATOR

Title (de)
VORRICHTUNG ZUR IONTOPHORETISCHEN VERABREICHUNG VON MEDIKAMENTEN MIT EINEM TASTSTIMULATIONSGENERATOR

Title (fr)
DISPOSITIF D'ADMINISTRATION DE MEDICAMENTS PAR TRANSPORT ELECTRIQUE MUNI D'UN GENERATEUR DE STIMULI TACTILES

Publication
EP 0898484 B1 20021023 (EN)

Application
EP 97909040 A 19970314

Priority

- US 9704031 W 19970314
- US 62776296 A 19960329

Abstract (en)
[origin: WO9736640A1] An electrotransport system (20) for delivery of a drug through the skin (63) of a patient includes a tactile signal generator (36) for generating and transmitting a tactile signal to the skin of a patient upon the occurrence of an event associated with the operation of the system. The tactile signal may be an electric AC signaling current (Sr, Sp) applied through the skin, i.e., an electric current different from the therapeutic electrotransport drive current. The electric signaling current is preferably a pulsed current of sufficient frequency and amplitude to allow the patient to feel it. The tactile signal may alternatively be generated by an electromechanical device in contact with the skin such as a piezoelectric vibrating element or magnetodynamic element such as a solenoid driven pin. The waveform of the tactile signaling current preferably has a zero average current component such that no net therapeutic drug is delivered by the tactile signal current. In certain cases, the tactile signaling current may contribute to electrotransport drug delivery.

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